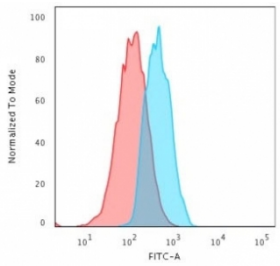
E-Cadherin Antibody / CDH1 [clone CDH1/3256] (V8269)

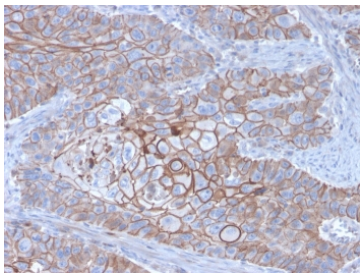
Catalog No.	Formulation	Size
V8269-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8269-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8269SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

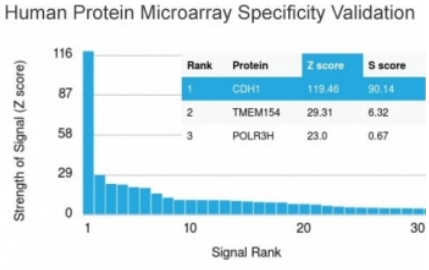
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDH1/3256
Purity	Protein G affinity chromatography
UniProt	P12830
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/million cells in 0.1ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This E-Cadherin antibody is available for research use only.



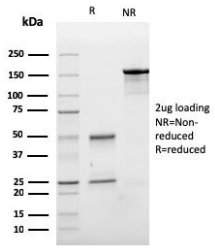
Flow cytometry testing of human MCF7 cells with E-Cadherin antibody (clone CDH1/3256); Red=isotype control, Blue= E-Cadherin antibody.



IHC staining of FFPE human breast carcinoma with E-Cadherin antibody (clone CDH1/3256). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using E-Cadherin antibody (clone CDH1/3256). These results demonstrate the foremost specificity of the CDH1/3256 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free E-Cadherin antibody (clone CDH1/3256) as confirmation of integrity and purity.

Description

Recognizes a protein of 120-80kDa, identified as E-cadherin. Cadherins comprise a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH2 terminal repeats. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as -catenin, to regulate cadherin function. E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer. In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin +) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.

Application Notes

Optimal dilution of the E-Cadherin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 567-691) was used as the immunogen for this E-Cadherin antibody.

Storage

Store the E-Cadherin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).